

SERVICES PROVIDED IN DEPARTMENT OF BASIC MEDICAL SCIENCES,
KULLIYAH OF PHARMACY

A. ANIMAL RETENTION ROOM

NO	SERVICE/ ITEMS		MICE/RAT/GUINEA PIG		RABBIT	
			Weekdays	Weekend & Public Holiday	Weekdays	Weekend & Public Holiday
1	*Caretaker ; - Feeding - Hygiene - Change Bedding		Weekdays	Weekend & Public Holiday	Weekdays	Weekend & Public Holiday
			RM 15.00 / Day	RM 30.00/ Day	RM 20.00 / Day	RM 40.00/ Day
2	Basic Animal Handling & Route of Administration : - Intraperitoneal (IP) - Force Feeding		Weekdays	Weekend & Public Holiday	Weekdays	Weekend & Public Holiday
			RM 8.00 / Animal/ day	RM 16.00 / Animal/ day	RM 20.00 / Animal/ day	RM 40.00 / Animal/ day
3	Blood Collection - Cardiac Puncture - Orbital Sinus		Weekdays	Weekend & Public Holiday	NIL	
			RM 10.00/ animal/ day	RM 20.00 / Animal/ day		
4	Organ harvesting		Weekdays	Weekend & Public Holiday	Weekdays	Weekend & Public Holiday
			RM 2.00/ Organ/ animal	RM 6.00/ organ/ animal	RM 2.50/ Organ/ animal	RM 7.50/ organ/ animal
5	Mouse/rat pellet	KOP users	RM 5/Kg		NIL	
		Non KOP users	RM 7/Kg			
6	Gavage (oral needle) - Rat (size: 18) - Mice (size: 24)	KOP users	RM 10/pcs/month		NIL	
		Non KOP users	RM 12/pcs/month			
7	Metabolic Cages (For rat ONLY)	Lab products Inc.	RM 5.00/ unit /day		NIL	
		Techniplast	RM 20.00/ unit/day *Min. of 4 cages			

8	Animal Retention Room a) Facilities includes: - Basic cage sets (max. of 20 cage sets*) - Biohazard bags - 70% ethanol - Industrial tissue - Hand sanitizer (1 btl) - Glove (max: 2 boxes) - Mask (1 box) - Plastic Apron (5pcs)	KOP users	FOC	FOC
		Non- KOP users	RM 10.00/ day/allocated space/study	RM 25.00 / day/allocated space/study

Terms and conditions:

- ✓ **An appointment letter as caretaker must be given to the appointed staff and CC to HOD and Science Officer.*
- ✓ **Caretaker and the department shall not be liable for any loss, injury or death of animal resulting from the caretaking, handling, administering and collecting samples.*
- ✓ *Researchers are responsible to bring their own disposable items. (e.g: syringes, needles, capillary tubes, beddings, food pellets etc).*
- ✓ *Researchers will be given PPE and basic cage sets. The basic cage sets number will depend on the available cage set.*
- ✓ *Researchers must ensure IACUC approval still valid during their animal study period. Thus, researchers must plan their study very well before applying the IACUC approval.*
- ✓ ***Researchers may use the facility maximum up to one year per project and any project exceeded, new application need to be done.***
- ✓ *All researchers must abide with the rules and regulations set by the Department.*
- ✓ *For item no 4 & 5, if the usage is more than 3 consecutive months, the total price will be decided upon discussion with science officer and HOD.*
- ✓ *The individual room may be shared with more than 1 researcher at a time.*

B. HISTOLOGY UNIT

NO	SERVICES/ ITEMS	Price (RM)/3 slides/tissue (Minimum order : 3 slides)		
		Package A	Package B	Package C
1.	H&E stained slide prepared from submitted paraffin block	20.00	17.00	14.00
2.	H&E stained slide prepared from fresh tissue	34.00	24.00	16.00
3.	Special Stain (VVG, PAS, Masson Trichrome and others stain depend on availability) prepared from fresh tissue	Price (RM)/slide		
		35.00	18.00	12.00
4.	Un-stained slide from paraffin block	8.00 /slide		
5.	H&E staining of an un-stained slide	12.00/slide		
6.	Preparation of tissue block	10.00/slide		
7.	Rental charge for equipment (microtome, embedding machine, microscope)	KOP Users	FOC	
		Non- KOP users	300/ application	
8.	Animal Perfusion:	Price (RM)/ animal		
	Rat	10.00		
	Guinea Pig	15.00		
	Rabbit	20.00		
	Monkey	50.00		
9.	Disposable Items:	Price(RM)/pc		
	Microtome Blade	10.00		
	Cassette (pack of 10pcs)	8.00/pack		
	Ring block (pack of 10pcs)	8.00/pack		
	Slide box (100pcs)	20.00		
	Slide box (50pcs)	15.00		
	Glass slide (pack of 10pcs)	5.00/pack		
	Cover slip (pack of 10pcs)	2.00/pack		

Terms and Conditions:

PACKAGE A	PACKAGE B	PACKAGE C
Price included chemicals, disposable items.	Price NOT included chemicals. ONLY disposable items and slide box provided. (researcher responsible for all chemicals)	Price NOT included chemicals, disposable items and slide box. (researcher responsible for all above items)
<p>List of chemicals: Ethanol Xylene DPX Toluene Hematoxylin stain Eosin stain Special stain Paraffin</p> <p>List of disposable items: Gloves Mask Tissue Microtome Blade Cover slides Glass slides</p>	Researcher must provide enough chemicals to prepare the slides. Not enough chemicals will be added as additional cost.	Researcher must provide enough chemicals, disposable items and slides box. Not enough of those items will be added as additional cost.

C. DermaLab® COMBO SKINLAB SKIN TESTING INSTRUMENT

No.	Description		Quantity	Rental/unit price (RM)
1.	Usage of DermaLab® Combo SkinLab Skin Testing Instrument	KOP Users	1 set	FOC
		Non- KOP users	1 set	150/hour
2.	Rental charge for TEWL probe	KOP Users	1 set	FOC
		Non- KOP users		10/ hour
3.	Consumables for DermaLab:			
	a) Double adhesive pads for elasticity probe		1 pcs	2.00
	b) Ultrasound probe film, frame mounted		1 pcs	4.00
	c) Sebum collecting strips		1pcs	1.50
	d) Ultrasound gel		1btl	45.00

Terms and Conditions:

- ✓ *The researcher must receive Institutional Animal Care & Use Committee (IACUC) approval letter prior to the animal laboratory work.*
- ✓ *The researcher must receive IIUM Research Ethics Committee (IREC) approval letter prior to the human related laboratory work.*
- ✓ ***The consumables are only provided for KOP's undergraduate students. Postgraduate students shall purchase their own consumables.***
- ✓ *The equipment shall not be taken outside of kulliyyah.*
- ✓ *The researcher is financially responsible for any damage occurred due to abusive and irresponsible usage of IIUM equipment and facilities.*
- ✓ ***A deposit of RM50 per application is required to secure and ensure all items returned in good condition. We will refund the deposit after a proper and satisfied clearance is made.***

D. NON INVASIVE BLOOD PRESSURE SYSTEM, BRAND: CODA

NO	ITEMS		QUANTITY	RENTAL/UNIT PRICE (RM)
1.	Usage of Non Invasive Blood pressure System, Brand CODA comprises of: - Warming platform - CODA NIBP Main unit - Software (to be installed at user's personal computer/laptop)	KOP Users	1 set	FOC
		Non-KOP users	1 set	200/month
2.	Rat restrainer	KOP Users		FOC
		Non-KOP users		RM10/pcs/month

Terms and Conditions:

- ✓ *The researcher must receive Institutional Animal Care & Use Committee (IACUC) approval letter prior to the animal laboratory work.*
- ✓ ***The consumables are only be provided for KOP's undergraduate students. Postgraduate students shall purchase their own consumables.***
- ✓ *The equipment may be taken outside of kulliyah subject to approval from Head of Department.*
- ✓ *The researcher is financially responsible for any damage occurred due to abusive and irresponsible usage of IIUM equipment and facilities.*
- ✓ ***A deposit of RM50 per application is required to secure and ensure all items returned in good condition. We will refund the deposit after a proper and satisfied clearance is made.***

OTHER TERMS & CONDITIONS

1. Payment

- a) A full payment shall be made to **'IIUM Kuantan' Account- Bank Muamalat Malaysia Berhad (060-1000-2738-719)**. Payment can be made via company cheque/local order/cash.

2. General rules

- a) The researcher must wear proper personal protective equipment (PPE) at all time while doing the research work in the lab.
- b) The researcher shall adhere to the general laboratory rules set up in the lab.
- c) Cleanliness shall be maintained at all time while doing the research works especially in Animal Laboratory.
- d) Working area/Cages used by the researcher must be cleaned immediately after all research works have finished.
- e) The Head of the Department (Basic Medical Sciences), the Lab Coordinator (Basic Medical Sciences) and the Science Officer (Basic Medical Sciences) have the right to suspend or terminate the rental and the use of IIUM facilities and equipment if the researcher was found incapable to adhere to the laboratory general rules and animal ethics rules.
- f) The department reserves the right to cancel or amend the services provided and these terms and conditions without notice in the event of any actual or anticipated breach of any applicable law or regulation or any other event outside of the department's control. Any changes to the services will be notified to researchers as soon as possible by the department.